



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 9, 2026 – 01:46 PM UTC

PDB ID : 6M9K / pdb_00006m9k
Title : Crystal structure of lambda exonuclease in complex with the Red beta C-terminal domain
Authors : Bell, C.E.; Caldwell, B.J.
Deposited on : 2018-08-23
Resolution : 2.30 Å(reported)

This is a Full wwPDB X-ray Structure Validation Report for a publicly released PDB entry.

We welcome your comments at validation@mail.wwpdb.org

A user guide is available at

<https://www.wwpdb.org/validation/2017/XrayValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

<http://www.wwpdb.org/validation/2017/FAQs#types>.

The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

MolProbity	:	4-5-2 with Phenix2.0
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	2.0
EDS	:	3.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
CCP4	:	9.0.010 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.49

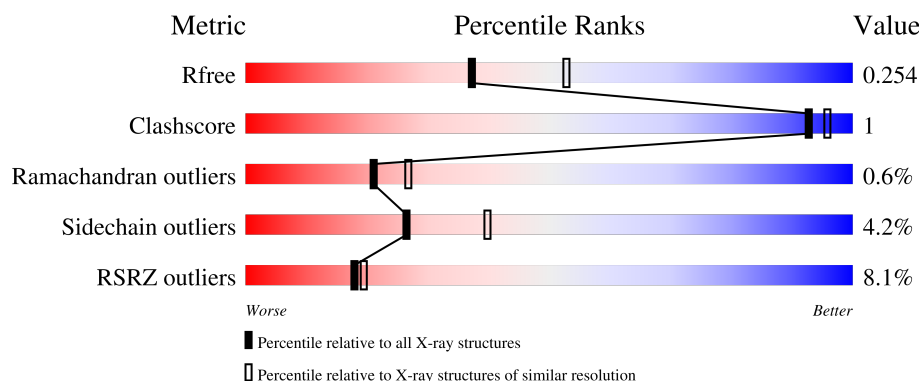
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.30 Å.

Percentile scores (ranging between 0-100) for global validation metrics of the entry are shown in the following graphic. The table shows the number of entries on which the scores are based.



Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	180053	6319 (2.30-2.30)
Clashscore	190562	6919 (2.30-2.30)
Ramachandran outliers	187476	6854 (2.30-2.30)
Sidechain outliers	187428	6854 (2.30-2.30)
RSRZ outliers	180081	6325 (2.30-2.30)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments of the lower bar indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria respectively. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions $\leq 5\%$. The upper red bar (where present) indicates the fraction of residues that have poor fit to the electron density. The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	A	226	9% 95% ..
1	B	226	11% 94% ..
1	C	226	9% 93% 6%
2	D	67	3% 91% 7%
2	E	67	6% 91% 7%

Continued on next page...

Continued from previous page...

Mol	Chain	Length	Quality of chain
2	F	67	81%12%6%

2 Entry composition

There are 4 unique types of molecules in this entry. The entry contains 7573 atoms, of which 0 are hydrogens and 0 are deuteriums.

In the tables below, the ZeroOcc column contains the number of atoms modelled with zero occupancy, the AltConf column contains the number of residues with at least one atom in alternate conformation and the Trace column contains the number of residues modelled with at most 2 atoms.

- Molecule 1 is a protein called Exonuclease.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	226	Total	C	N	O	S	0	0	0
			1790	1140	303	333	14			
1	B	225	Total	C	N	O	S	0	0	0
			1781	1139	297	331	14			
1	C	226	Total	C	N	O	S	0	0	0
			1793	1145	301	333	14			

- Molecule 2 is a protein called Recombination protein bet.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	D	67	Total	C	N	O	S	0	0	0
			523	328	89	104	2			
2	E	66	Total	C	N	O	S	0	0	0
			512	322	85	103	2			
2	F	63	Total	C	N	O	S	0	0	0
			491	308	81	100	2			

- Molecule 3 is SULFATE ION (CCD ID: SO4) (formula: O₄S).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
3	A	1	Total	O	S	0	0
			5	4	1		
3	A	1	Total	O	S	0	0
			5	4	1		
3	A	1	Total	O	S	0	0
			5	4	1		
3	A	1	Total	O	S	0	0
			5	4	1		
3	B	1	Total	O	S	0	0
			5	4	1		
3	B	1	Total	O	S	0	0
			5	4	1		
3	B	1	Total	O	S	0	0
			5	4	1		
3	C	1	Total	O	S	0	0
			5	4	1		
3	C	1	Total	O	S	0	0
			5	4	1		
3	C	1	Total	O	S	0	0
			5	4	1		
3	C	1	Total	O	S	0	0
			5	4	1		

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
3	C	1	Total	O	S	0	0
			5	4	1		
3	F	1	Total	O	S	0	0
			5	4	1		

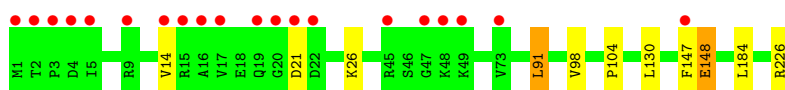
- Molecule 4 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	A	157	Total	O	0	0
			157	157		
4	B	150	Total	O	0	0
			150	150		
4	C	156	Total	O	0	0
			156	156		
4	D	51	Total	O	0	0
			51	51		
4	E	43	Total	O	0	0
			43	43		
4	F	46	Total	O	0	0
			46	46		

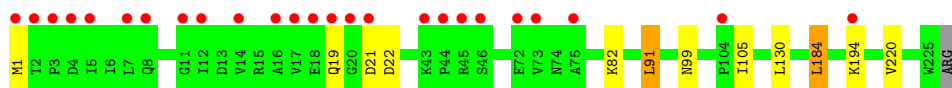
3 Residue-property plots [i](#)

These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density. Residues are color-coded according to the number of geometric quality criteria for which they contain at least one outlier: green = 0, yellow = 1, orange = 2 and red = 3 or more. A red dot above a residue indicates a poor fit to the electron density ($RSRZ > 2$). Stretches of 2 or more consecutive residues without any outlier are shown as a green connector. Residues present in the sample, but not in the model, are shown in grey.

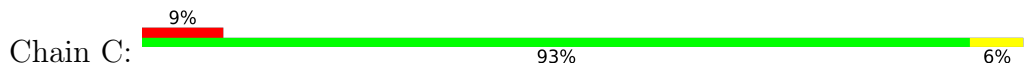
- Molecule 1: Exonuclease



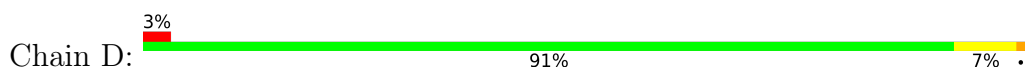
- Molecule 1: Exonuclease



- Molecule 1: Exonuclease



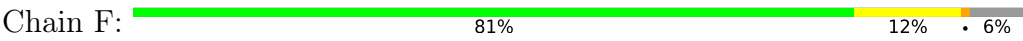
- Molecule 2: Recombination protein bet



- Molecule 2: Recombination protein bet



- Molecule 2: Recombination protein bet



4 Data and refinement statistics

Property	Value	Source
Space group	P 31 2 1	Depositor
Cell constants a, b, c, α , β , γ	122.52Å 122.52Å 147.86Å 90.00° 90.00° 120.00°	Depositor
Resolution (Å)	106.11 – 2.30 106.11 – 2.30	Depositor EDS
% Data completeness (in resolution range)	99.7 (106.11-2.30) 99.7 (106.11-2.30)	Depositor EDS
R_{merge}	0.13	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.72 (at 2.29Å)	Xtriage
Refinement program	REFMAC	Depositor
R, R_{free}	0.195 , 0.254 0.200 , 0.254	Depositor DCC
R_{free} test set	2782 reflections (4.83%)	wwPDB-VP
Wilson B-factor (Å ²)	24.1	Xtriage
Anisotropy	0.026	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.35 , 34.7	EDS
L-test for twinning ²	$\langle L \rangle = 0.50$, $\langle L^2 \rangle = 0.34$	Xtriage
Estimated twinning fraction	0.017 for -h,-k,l	Xtriage
F_o, F_c correlation	0.94	EDS
Total number of atoms	7573	wwPDB-VP
Average B, all atoms (Å ²)	32.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 3.66% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

²Theoretical values of $\langle |L| \rangle$, $\langle L^2 \rangle$ for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.

5 Model quality [i](#)

5.1 Standard geometry [i](#)

Bond lengths and bond angles in the following residue types are not validated in this section: SO4

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 5$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\# Z > 5$	RMSZ	$\# Z > 5$
1	A	0.66	0/1834	0.82	0/2481
1	B	0.62	0/1826	0.84	0/2472
1	C	0.60	0/1838	0.83	0/2486
2	D	0.69	0/528	0.86	0/714
2	E	0.59	0/517	0.81	0/700
2	F	0.63	0/496	0.84	0/672
All	All	0.63	0/7039	0.83	0/9525

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts [i](#)

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in the chain respectively. The H(added) column lists the number of hydrogen atoms added and optimized by MolProbity. The Clashes column lists the number of clashes within the asymmetric unit, whereas Symm-Clashes lists symmetry-related clashes.

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	A	1790	0	1720	4	0
1	B	1781	0	1709	4	0
1	C	1793	0	1725	7	0
2	D	523	0	530	2	0
2	E	512	0	517	2	0
2	F	491	0	490	2	0
3	A	25	0	0	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
3	B	20	0	0	0	0
3	C	30	0	0	0	0
3	F	5	0	0	0	0
4	A	157	0	0	1	0
4	B	150	0	0	0	0
4	C	156	0	0	1	0
4	D	51	0	0	0	0
4	E	43	0	0	1	0
4	F	46	0	0	1	0
All	All	7573	0	6691	20	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 1.

All (20) close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:91:LEU:HB3	1:B:184:LEU:HD13	1.66	0.77
1:C:224:GLN:HE21	1:C:224:GLN:H	1.44	0.63
1:C:6:ILE:HD13	1:C:14:VAL:HG11	1.87	0.56
1:B:91:LEU:CB	1:B:184:LEU:HD13	2.36	0.55
1:A:147:PHE:O	1:A:148:GLU:CB	2.56	0.54
1:B:91:LEU:CD1	2:E:223:LEU:HD11	2.39	0.53
2:D:212:LEU:HD21	2:D:254:ALA:HA	1.92	0.52
1:C:105:ILE:N	4:C:402:HOH:O	2.43	0.51
1:A:14:VAL:HG22	1:A:104:PRO:HB2	1.92	0.51
1:C:141:LYS:HG2	1:C:149:ALA:HB1	1.95	0.48
2:D:211:ALA:HB1	2:D:259:VAL:CG1	2.44	0.47
2:E:257:GLN:NE2	4:E:302:HOH:O	2.46	0.45
1:A:91:LEU:HB3	1:A:184:LEU:HD13	1.98	0.44
2:F:240:GLN:O	2:F:244:VAL:HG23	2.18	0.43
1:A:226:ARG:NH1	4:A:403:HOH:O	2.51	0.43
1:C:6:ILE:HG21	1:C:14:VAL:HG13	2.01	0.41
1:C:121:LEU:HD22	1:C:167:LYS:HE3	2.01	0.41
1:C:158:VAL:HG12	1:C:162:MET:HE2	2.02	0.41
1:B:21:ASP:OD1	1:B:22:ASP:N	2.54	0.41
2:F:195:THR:HG23	4:F:432:HOH:O	2.21	0.40

There are no symmetry-related clashes.

5.3 Torsion angles

5.3.1 Protein backbone

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution.

The Analysed column shows the number of residues for which the backbone conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	224/226 (99%)	218 (97%)	4 (2%)	2 (1%)	14	17
1	B	223/226 (99%)	215 (96%)	6 (3%)	2 (1%)	14	17
1	C	224/226 (99%)	221 (99%)	2 (1%)	1 (0%)	30	38
2	D	65/67 (97%)	63 (97%)	2 (3%)	0	100	100
2	E	64/67 (96%)	63 (98%)	1 (2%)	0	100	100
2	F	61/67 (91%)	60 (98%)	1 (2%)	0	100	100
All	All	861/879 (98%)	840 (98%)	16 (2%)	5 (1%)	21	27

All (5) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	148	GLU
1	A	21	ASP
1	B	19	GLN
1	C	19	GLN
1	B	105	ILE

5.3.2 Protein sidechains

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution.

The Analysed column shows the number of residues for which the sidechain conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	185/192 (96%)	181 (98%)	4 (2%)	45	65
1	B	184/192 (96%)	176 (96%)	8 (4%)	26	39
1	C	186/192 (97%)	181 (97%)	5 (3%)	39	58

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
2	D	57/58 (98%)	54 (95%)	3 (5%)	20	30
2	E	56/58 (97%)	53 (95%)	3 (5%)	20	29
2	F	54/58 (93%)	47 (87%)	7 (13%)	4	4
All	All	722/750 (96%)	692 (96%)	30 (4%)	26	40

All (30) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	26	LYS
1	A	91	LEU
1	A	98	VAL
1	A	130	LEU
1	B	1	MET
1	B	82	LYS
1	B	91	LEU
1	B	99	ASN
1	B	130	LEU
1	B	184	LEU
1	B	194	LYS
1	B	220	VAL
1	C	91	LEU
1	C	98	VAL
1	C	130	LEU
1	C	190	GLU
1	C	224	GLN
2	D	195	THR
2	D	238	LEU
2	D	259	VAL
2	E	195	THR
2	E	203	GLN
2	E	256	GLU
2	F	195	THR
2	F	200	GLU
2	F	203	GLN
2	F	212	LEU
2	F	223	LEU
2	F	230	ARG
2	F	238	LEU

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (5) such sidechains are listed below:

Mol	Chain	Res	Type
1	B	19	GLN
1	B	38	HIS
1	C	174	ASN
1	C	224	GLN
2	E	226	GLN

5.3.3 RNA [i](#)

There are no RNA molecules in this entry.

5.4 Non-standard residues in protein, DNA, RNA chains [i](#)

There are no non-standard protein/DNA/RNA residues in this entry.

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

16 ligands are modelled in this entry.

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul statistics could be retrieved, the number of bonds (or angles) that are observed in the model and the number of bonds (or angles) that are defined in the Chemical Component Dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\# Z > 2$	Counts	RMSZ	$\# Z > 2$
3	SO4	B	304	-	4,4,4	0.46	0	6,6,6	0.18	0
3	SO4	C	304	-	4,4,4	0.45	0	6,6,6	0.20	0
3	SO4	B	302	-	4,4,4	0.45	0	6,6,6	0.21	0
3	SO4	C	303	-	4,4,4	0.49	0	6,6,6	0.28	0
3	SO4	A	302	-	4,4,4	0.46	0	6,6,6	0.09	0
3	SO4	C	302	-	4,4,4	0.46	0	6,6,6	0.14	0
3	SO4	C	301	-	4,4,4	0.43	0	6,6,6	0.35	0
3	SO4	C	305	-	4,4,4	0.46	0	6,6,6	0.25	0
3	SO4	B	301	-	4,4,4	0.39	0	6,6,6	0.30	0
3	SO4	B	303	-	4,4,4	0.48	0	6,6,6	0.22	0

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\# Z > 2$	Counts	RMSZ	$\# Z > 2$
3	SO4	F	301	-	4,4,4	0.56	0	6,6,6	0.13	0
3	SO4	A	303	-	4,4,4	0.43	0	6,6,6	0.20	0
3	SO4	A	301	-	4,4,4	0.33	0	6,6,6	0.31	0
3	SO4	A	304	-	4,4,4	0.33	0	6,6,6	0.39	0
3	SO4	A	305	-	4,4,4	0.47	0	6,6,6	0.12	0
3	SO4	C	306	-	4,4,4	0.47	0	6,6,6	0.19	0

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

No monomer is involved in short contacts.

5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

6 Fit of model and data ⓘ

6.1 Protein, DNA and RNA chains ⓘ

In the following table, the column labelled ‘#RSRZ> 2’ contains the number (and percentage) of RSRZ outliers, followed by percent RSRZ outliers for the chain as percentile scores relative to all X-ray entries and entries of similar resolution. The OWAB column contains the minimum, median, 95th percentile and maximum values of the occupancy-weighted average B-factor per residue. The column labelled ‘Q< 0.9’ lists the number of (and percentage) of residues with an average occupancy less than 0.9.

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	A	226/226 (100%)	0.15	20 (8%) 15 17	14, 24, 71, 85	0
1	B	225/226 (99%)	0.27	25 (11%) 10 11	17, 28, 71, 93	0
1	C	226/226 (100%)	0.14	20 (8%) 15 17	15, 26, 67, 95	0
2	D	67/67 (100%)	0.30	2 (2%) 52 54	19, 31, 52, 55	0
2	E	66/67 (98%)	0.11	4 (6%) 27 29	22, 28, 52, 66	0
2	F	63/67 (94%)	-0.03	0 100 100	21, 30, 46, 51	0
All	All	873/879 (99%)	0.17	71 (8%) 18 19	14, 27, 68, 95	0

All (71) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	A	147	PHE	5.4
1	A	19	GLN	4.7
1	C	1	MET	4.7
1	A	4	ASP	4.4
1	B	2	THR	4.3
1	C	2	THR	4.3
1	B	45	ARG	4.3
1	A	45	ARG	4.2
1	A	1	MET	4.2
1	A	2	THR	4.0
1	B	1	MET	3.9
1	C	73	VAL	3.8
1	B	3	PRO	3.8
1	B	5	ILE	3.8
1	A	17	VAL	3.8
1	B	4	ASP	3.8
2	E	195	THR	3.7
1	A	3	PRO	3.7
1	A	5	ILE	3.6

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	RSRZ
1	C	45	ARG	3.6
2	E	259	VAL	3.5
1	B	104	PRO	3.5
1	C	104	PRO	3.4
1	C	3	PRO	3.4
1	C	17	VAL	3.4
2	D	260	ALA	3.4
1	A	14	VAL	3.3
2	D	194	ILE	3.3
1	B	73	VAL	3.3
2	E	260	ALA	3.2
1	C	147	PHE	3.2
1	B	14	VAL	3.1
1	C	5	ILE	3.0
1	C	149	ALA	3.0
1	A	47	GLY	3.0
1	B	17	VAL	3.0
1	A	21	ASP	3.0
1	A	73	VAL	2.9
1	A	48	LYS	2.9
1	C	19	GLN	2.8
1	B	20	GLY	2.8
1	B	21	ASP	2.8
1	C	14	VAL	2.7
1	C	146	GLY	2.7
1	B	7	LEU	2.6
1	B	16	ALA	2.6
1	A	16	ALA	2.5
1	B	19	GLN	2.5
1	C	18	GLU	2.5
1	B	12	ILE	2.4
1	C	46	SER	2.3
1	B	43	LYS	2.3
2	E	258	LYS	2.3
1	B	8	GLN	2.3
1	A	49	LYS	2.3
1	B	72	GLU	2.2
1	B	11	GLY	2.2
1	A	9	ARG	2.2
1	B	75	ALA	2.2
1	A	15	ARG	2.1
1	A	20	GLY	2.1

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	RSRZ
1	C	72	GLU	2.1
1	C	74	ASN	2.1
1	B	194	LYS	2.1
1	C	48	LYS	2.1
1	B	18	GLU	2.1
1	A	22	ASP	2.1
1	B	44	PRO	2.1
1	B	46	SER	2.0
1	C	148	GLU	2.0
1	C	7	LEU	2.0

6.2 Non-standard residues in protein, DNA, RNA chains [i](#)

There are no non-standard protein/DNA/RNA residues in this entry.

6.3 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.4 Ligands [i](#)

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
3	SO4	C	303	5/5	0.56	0.19	83,86,91,95	0
3	SO4	C	305	5/5	0.59	0.18	87,89,92,93	0
3	SO4	C	306	5/5	0.63	0.20	87,90,96,99	0
3	SO4	C	302	5/5	0.64	0.20	98,99,103,105	0
3	SO4	A	305	5/5	0.75	0.18	93,94,103,106	0
3	SO4	F	301	5/5	0.75	0.17	64,67,72,72	0
3	SO4	A	303	5/5	0.76	0.15	81,83,87,88	0
3	SO4	B	304	5/5	0.77	0.16	81,86,87,89	0
3	SO4	C	304	5/5	0.78	0.15	82,82,87,92	0
3	SO4	A	304	5/5	0.78	0.20	77,80,84,84	0
3	SO4	B	303	5/5	0.79	0.13	73,75,82,85	0
3	SO4	A	302	5/5	0.84	0.12	85,85,92,93	0
3	SO4	B	302	5/5	0.86	0.11	72,73,77,77	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
3	SO4	B	301	5/5	0.98	0.06	29,30,32,32	0
3	SO4	A	301	5/5	0.99	0.05	28,28,30,31	0
3	SO4	C	301	5/5	0.99	0.04	26,26,29,29	0

6.5 Other polymers [i](#)

There are no such residues in this entry.